



Alan German & Chris Taylor

Ottawa PC Users' Group

June 26, 2024



YouTubeTech

New Laptop Memory Is Here! LPCAMM2 Changes Everything!



<https://www.youtube.com/watch?v=K3zB9EFntmA>

Stewart Bruce



YouTubeTech

iFixit



iFixit ✓

@iFixitYourself · 1.11M subscribers · 884 videos

Want to know how to replace that cracked screen on your phone?
Or maybe you want to know if the newest gadget is worth the
sticker shock? Then you've come to the right place!

<https://www.youtube.com/c/iFixitYourself>

Teardowns ▶ Play all

This playlist contains all of iFixit's teardown and disassembly videos.



Sonos Ace Teardown

iFixit ✓

27K views • 8 days ago

CC



What's Inside an Ali Express
VR Headset? The Vision SE...

iFixit ✓

32K views • 2 weeks ago

CC



iPad Air 13 inch Teardown - T-
AIR-able or Rep-AIR-able?

iFixit ✓

48K views • 3 weeks ago

Tools and Fix Kits ▶ Play all



How to Upgrade the SSD in
an Asus ROG Ally

iFixit ✓

161K views • 11 months ago



iFixit's All New Repair
Business Toolkit Unboxed!

iFixit ✓

44K views • 1 year ago

CC



How to use iFixit's Anti-
Clamp!

iFixit ✓

27K views • 1 year ago

CC



Why does Excel take so long to open?

- If Excel is not running and I open it by
 - double-clicking an xlsx file
 - right-clicking the pinned tray icon and choosing an existing file from the jump list
 - simply opening without loading an existing data file
- It opens in a couple of seconds
- If Excel is running and I load a file by
 - double-clicking an xlsx file
 - right-clicking the pinned tray icon and choosing an existing file from the jump list
- It takes up to 15 seconds (*or longer*) to open the file
- WHY??????



Don't have this problem?

- Follow along anyways...
- Aim is not *just* to allow people with this *identical* problem to fix it

I follow similar steps when trouble-shooting *any* problem



Asked Perplexity.AI

- *When I double-click an Excel file and Excel is not loaded already, it loads in a few seconds. If I have Excel already running and double-click an Excel file to load it, it can take up to 15 seconds or longer. Why is it so much slower?*

✿ Answer

Excel can take significantly longer to open a second or subsequent file when it's already running due to the way it handles Dynamic Data Exchange (DDE) messages from Windows Explorer. Here's the explanation and solution:

When you double-click an Excel file in Windows Explorer, it sends a DDE message instructing Excel to open that file. If Excel is already running, it has to create a new instance to handle the DDE message, merge it with the existing instance, and then open the file - causing the delay. ¹ ³

To fix this issue, you need to modify the registry keys that control how Excel handles DDE messages:

1. Open the Registry Editor (regedit.exe)
2. Navigate to the following keys:
 - HKEY_CLASSES_ROOT\Excel.Sheet.12\shell\Open\ddeexec
 - HKEY_CLASSES_ROOT\Excel.Sheet.8\shell\Open\ddeexec
3. Change the value of both keys to: [open("%1" /ou "%u")]

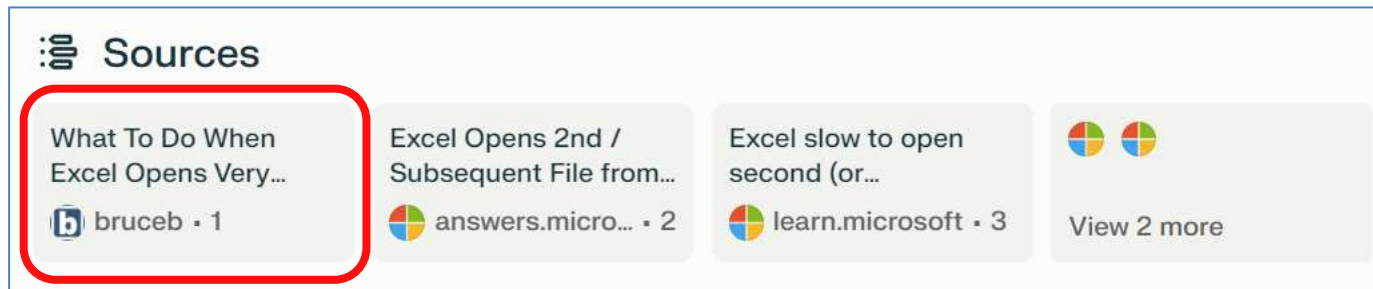
This tells Excel to open the file directly using the existing instance, rather than creating a new one to merge. ² ³

After making this registry change, Excel should open subsequent files much faster when it's already running. The delay is caused by Excel's inefficient handling of DDE messages, and modifying these registry keys forces it to open files more efficiently.



Check the references!

- AI has been known to hallucinate!



On some computers, double-clicking to open a .XLSX spreadsheet file is followed by a 30-60 second delay before the Excel logo appears and the spreadsheet loads normally.

There are some strange things about what happens.

- There is no delay if Excel is already running when you double-click the file. If you remember to start Excel first, or if it is already running with another file open, then the clicked file will load immediately.

Well, that's clearly not right!



Check the references!

Sources

What To Do When
Excel Opens Very...

 bruceb • 1

Excel Opens 2nd /
Subsequent File from...

 answers.micro... • 2

Excel slow to open
second (or...

 learn.microsoft • 3



View 2 more

Answer

Excel can take significantly longer to open a second or subsequent file when it's already running due to the way it handles Dynamic Data Exchange (DDE) messages from Windows Explorer. Here's the explanation and solution:

When you double-click an Excel file in Windows Explorer, it sends a DDE message instructing Excel to open that file. If Excel is already running, it has to create a new instance to handle the DDE message, merge it with the existing instance, and then open the file - causing the delay. 1 3

To fix this issue, you need to modify the registry keys that control how Excel handles DDE messages:

1. Open the Registry Editor (regedit.exe)

Microsoft's *Answers* forum and *Learn.Microsoft.com* might be more trustworthy

- both had the same explanation and solution appeared to make sense

new one to merge. 2 3

After making this registry change, Excel should open subsequent files much faster when it's already running. The delay is caused by Excel's inefficient handling of DDE messages, and modifying these registry keys forces it to open files more efficiently.



Additional clues & verification

 **Microsoft** | **Community** Products ▾ Get Started ▾ [Buy Microsoft 365](#)

Excel Forum Top Contributors: [HansV MVP](#) - [Ashish Mathur](#) - [Andreas Killer](#) - [Jim_Gordon](#) - [Rich~M](#) ✓

 **adamAmiga0**

Created on February 12, 2023

Excel Opens 2nd / Subsequent File from Explorer Slowly but within Excel Quickly

In Excel on a Windows 10 machine, a client was having an issue in which Excel would open normally – including starting Excel by double-clicking a workbook file icon in Explorer. But, **if Excel was already running, and she double-clicked a workbook in Explorer, it would take a long time / many seconds for the file to open.** Yet, if she opened a file from within Excel, that too opened with normal speed.

I tested this and had the same results



Additional explanations

2. Navigate to the following keys:

- HKEY_CLASSES_ROOT\Excel.Sheet.12\shell\Open\ddeexec
- HKEY_CLASSES_ROOT\Excel.Sheet.8\shell\Open\ddeexec

Why 12 and 8

- will it work with every version of Excel?
- is it a reference to a specific version?

Note that Sheet.12 is for xlsx files, whereas Sheet.8 are the old .xls files.

I suspected that each type of Excel file might need this setting (such as .xlsm), and indeed it does.

For .xlsm: HKEY_CLASSES_ROOT\Excel.SheetMacroEnabled.12\shell\Open\ddeexec

For csv: HKEY_CLASSES_ROOT\Excel.CSV\shell\Open\ddeexec

For xlsb: HKEY_CLASSES_ROOT\Excel.SheetBinaryMacroEnabled.12\shell\Open\ddeexec

Seems to make sense

- I rarely/never use these file types
- didn't bother fixing these



Am I confident of the solution?

- Yes
 - one source was obviously not related
 - two sources (Microsoft's *Answers* forum & *Learn.Microsoft.com*)
 - probably more trustworthy
 - sounded like they made sense
 - concurred



What if they are both wrong?

- can I reverse the proposed solution?
- yes

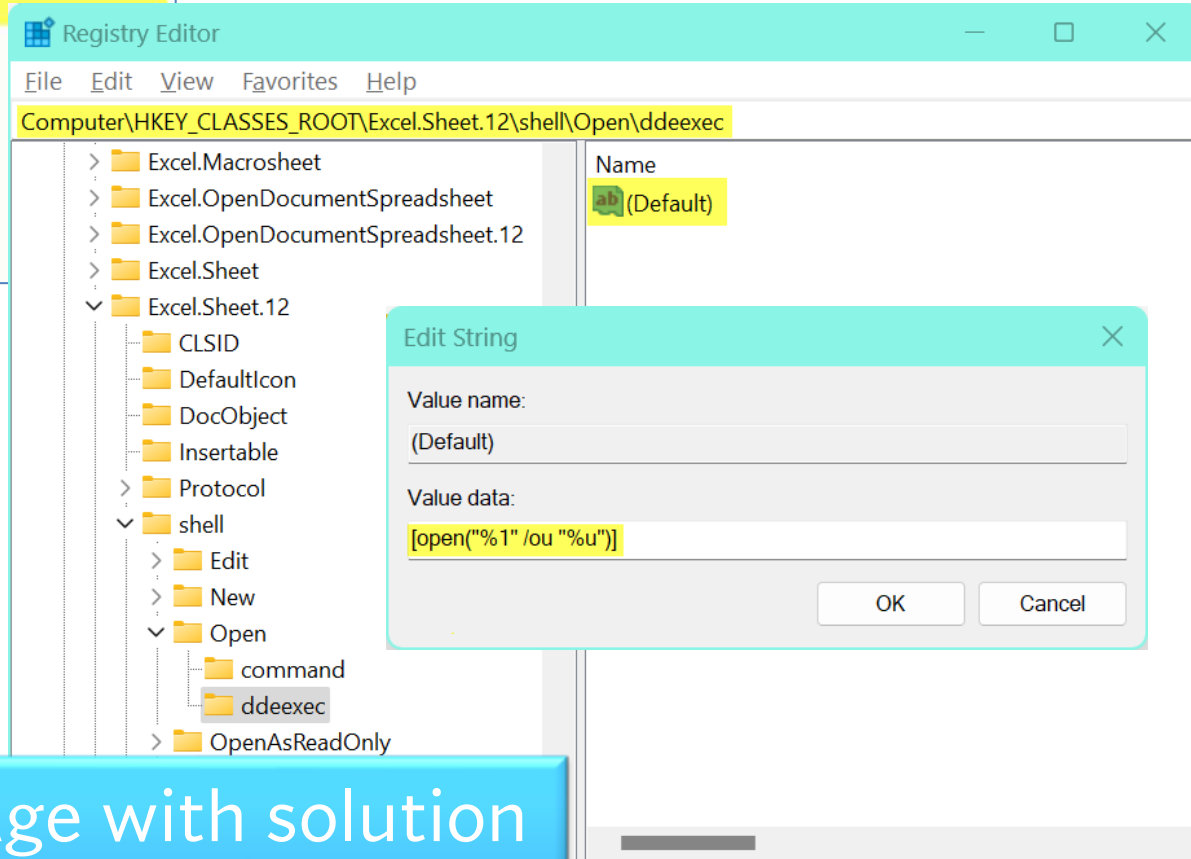


Make the change

Answer

To fix this issue, you need to modify the registry keys that control how Excel handles DDE messages:

1. Open the Registry Editor (regedit.exe)
2. Navigate to the following keys:
 - HKEY_CLASSES_ROOT\Excel.Sheet.12\shell\Open\ddeexec
 - HKEY_CLASSES_ROOT\Excel.Sheet.8\shell\Open\ddeexec
3. Change the value of both keys to: `[open("%1" /ou "%u")]`



Copy/pasted from web page with solution

- so I don't type ' instead of ", include required spaces, respect case-sensitivity etc.

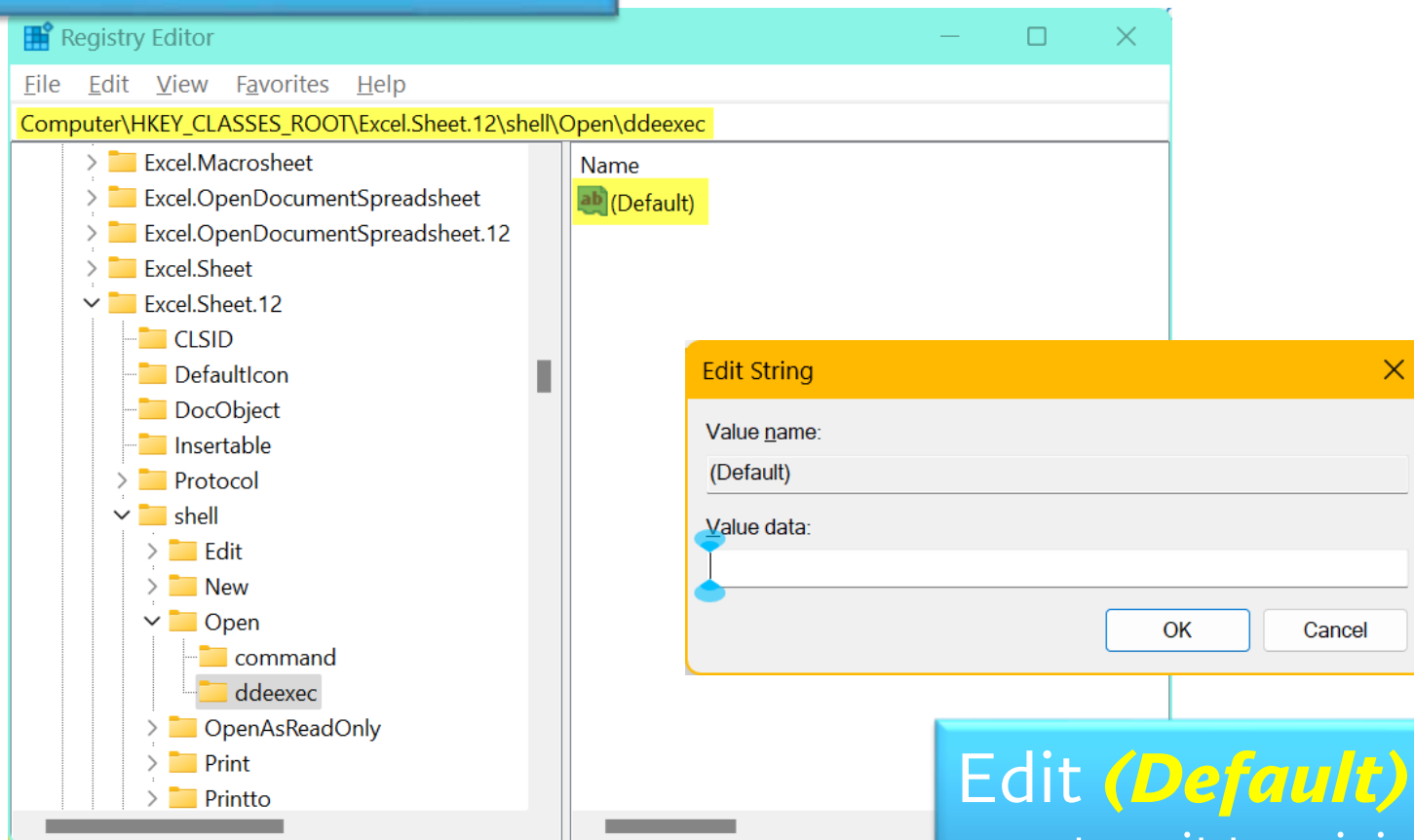
Made same change for *Excel.Sheet.8*



Worked!

- Excel now loads additional files instantly

If it had not worked



Edit **(Default)** value

- return it to original value (blank)



Lessons for finding solutions

- Ask Google, AI, fellow OPCUG members, friends, etc.
- Find multiple answers that
 - seem to make sense
 - concur
 - offer a solution you can try as long as you can recover if **solution doesn't work or causes other problems**

Share

Welcome to
 Suno

Q&A

OPCUG



Users helping users
for over 40 years



Pronounced: *soon-oh*



**the AI platform that lets
anyone make music**



- Suno is a major advancement in AI Music Creation
- It allows both amateurs and professionals to produce high-quality music, quickly and efficiently

Before
we start



I'm guessing you
have *never* considered
making a song?

Do you ever struggle
to find a unique
and memorable gift?



Are you still giving
those soon-to-be-
forgotten greeting
cards?



Would you like an easy way,
to create something special,
and truly unforgettable?

YES!

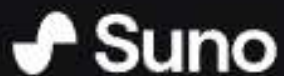


Turn your thoughts and ideas into
Full Songs with **Suno**

Unleash and Express your Creativity
with a whole new medium



suno.com



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Careers

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suno.com

Make a song about anything

**It's easy create your
Free Account**

**Click the Sign Up
Button**



Email Only

or



No Credit Card
Required



Home

Create

Library

Explore

BETA

Search



With your
Free Account

Click the
Create Button

Let's create a
Simple Song

We will *not* use the
Custom Button

Suno will do
everything for us

☐ Custom

Your Song Description ?

a powerful salsa song about not being
able to wait to see you again

0/200

☐ Instrumental

Create 🎵



suno.com

"Create a Happy Birthday Song for **Bugs Bunny**. He is 44 years old. He is clever and witty. He often says **What's up Doc?** He loves Computers and Carrots. **Make it a happy and joyful song.**"

☒ Custom

Your Song Description ?

a powerful salsa song about not being able to wait to see you again

0/200

☐ Instrumental

Create 🎵



don't worry



Couldn't generate that.

Song Description contained artist name: Bugs Bunny



☒ Custom

Your Song Description ?

a powerful salsa song about not being
able to wait to see you again

0/200

☐ Instrumental

Create 🎵

We will replace
"Bugs Bunny" with: Bob

"Create a Happy Birthday Song for
~~Bugs Bunny~~ Bob. He is 44 years
old. He is clever and witty. He
loves Computers and Carrots.
Make it a happy and joyful song."

Create 🎵

2 Songs Created!

All Done!

Generation Time

20
Seconds



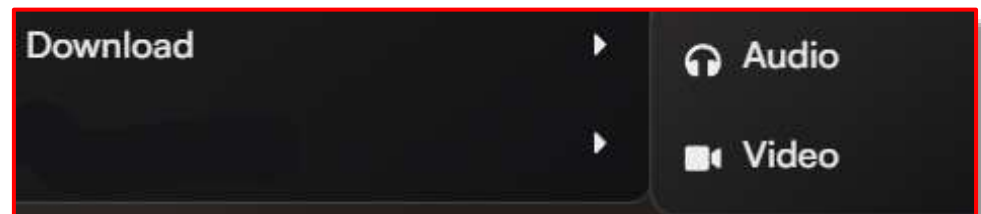
Happy Birthday Bob v3.5
pop cheerful

Happy Birthday Bob v3.5
pop cheerful

Now, we Download
our files!



Ellipsis Menu



Download

Audio

Video

2 Songs Created!



Happy Birthday Bob

v3.5

pop cheerful

3:19



Happy Birthday Bob

v3.5

pop cheerful

2:34



Download



Audio **MP3**



Video **MP4**



**4 Files
Downloaded!**



Files (On my PC)

Our Files are:

MP3 Audio

and

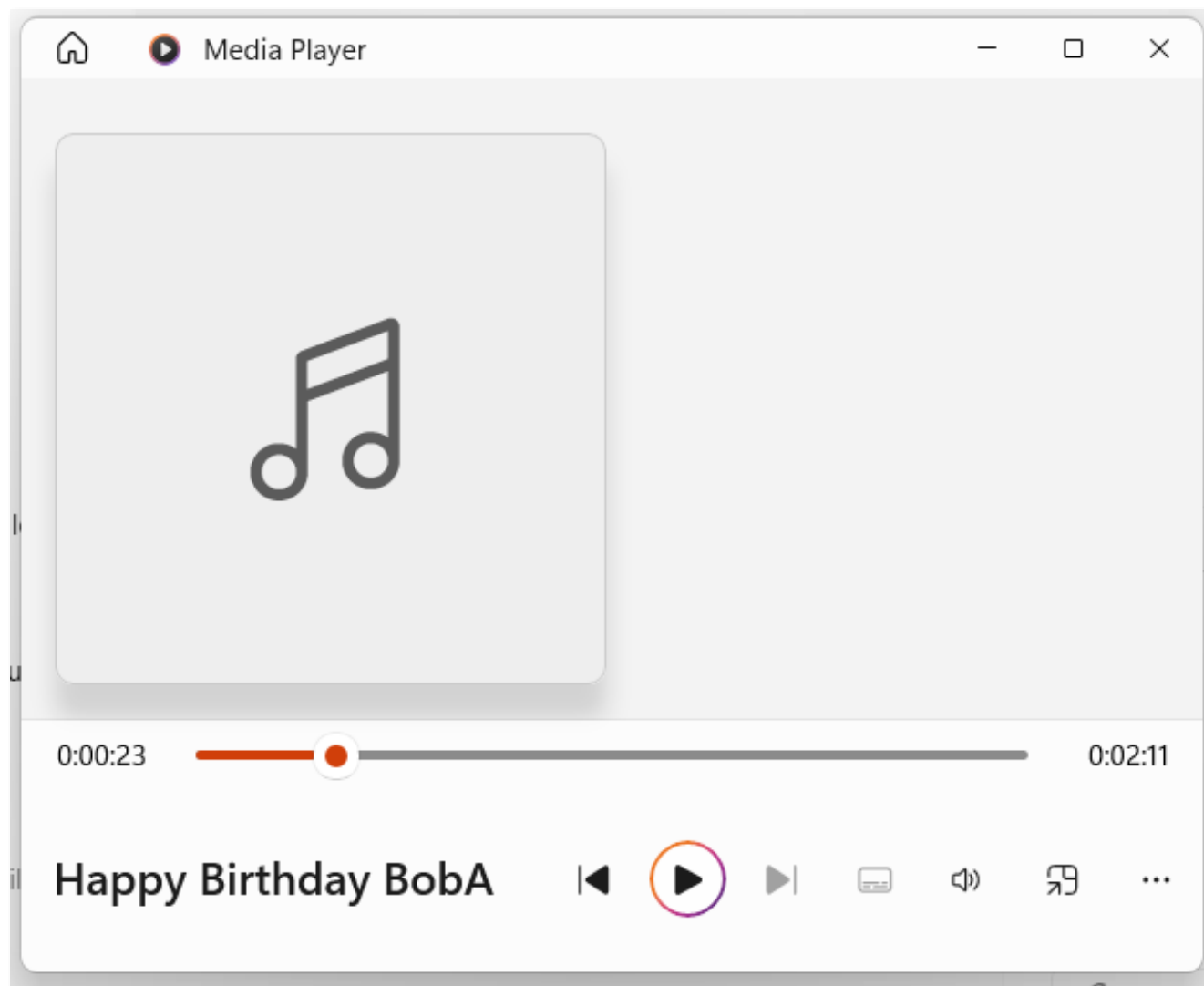
MP4 Video

Happy Birthday Bob.MP3	2024-06-23 11:35 AM	4,681 KB
Happy Birthday Bob.MP4	2024-06-23 11:30 AM	5,669 KB
Happy Birthday BobA.MP3	2024-06-23 11:37 AM	3,625 KB
Happy Birthday BobA.MP4	2024-06-23 11:37 AM	4,274 KB

HappyBirthdayBobA.MP3

(Audio File)

Media Player
Windows 11



HappyBirthdayBobA.MP4

Video File



Media Player
Windows 11



Happy Birthday Bob

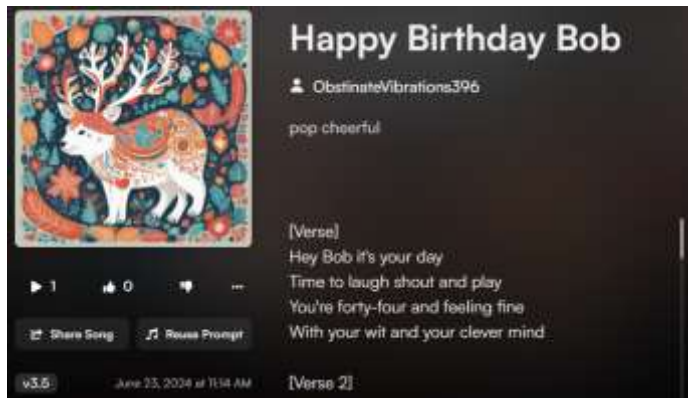
pop cheerful

[Verse]

Hey Bob it's your day
Time to laugh shout and play

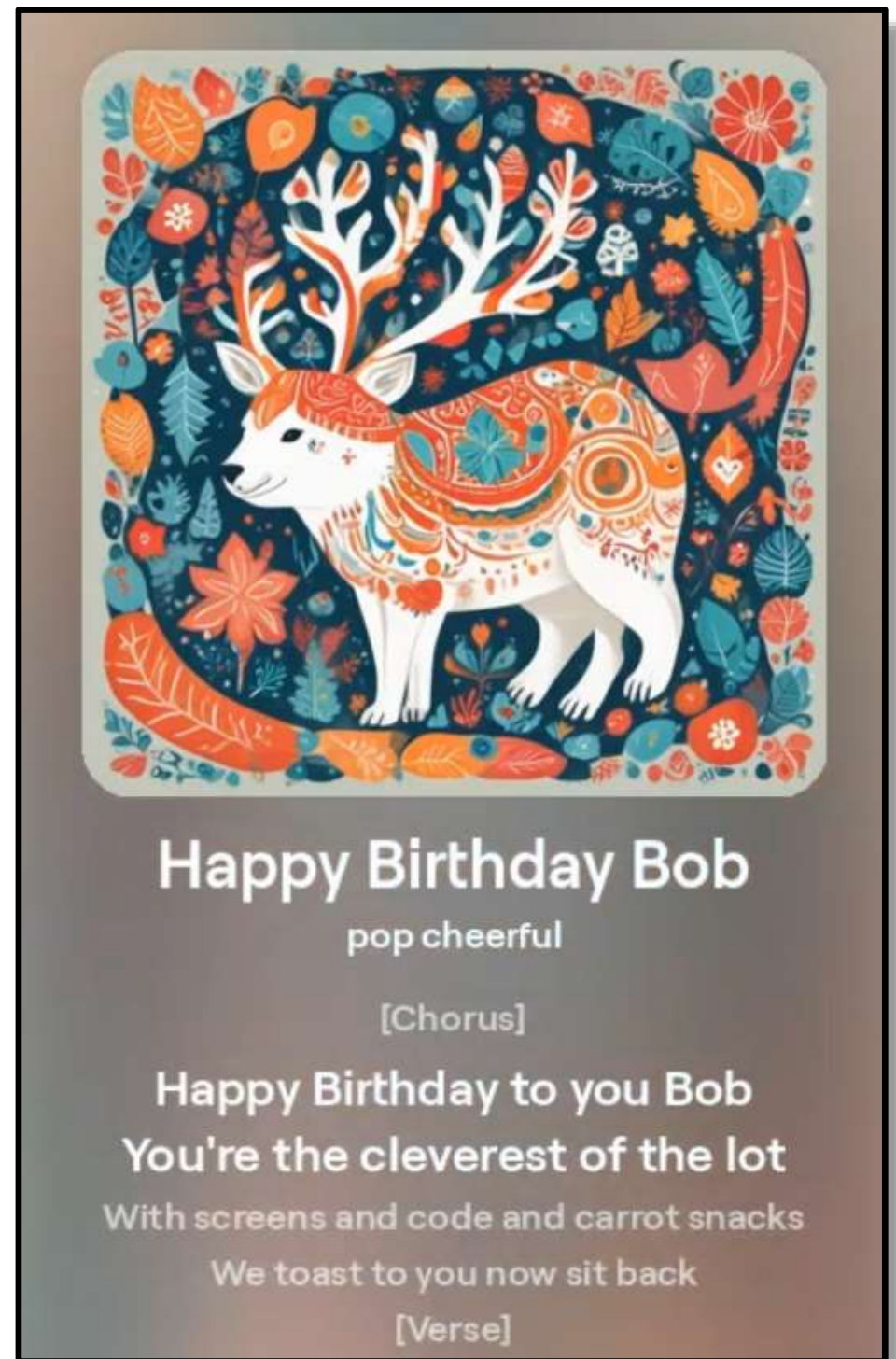
You're forty-four and feeling fine
With your wit and your clever mind

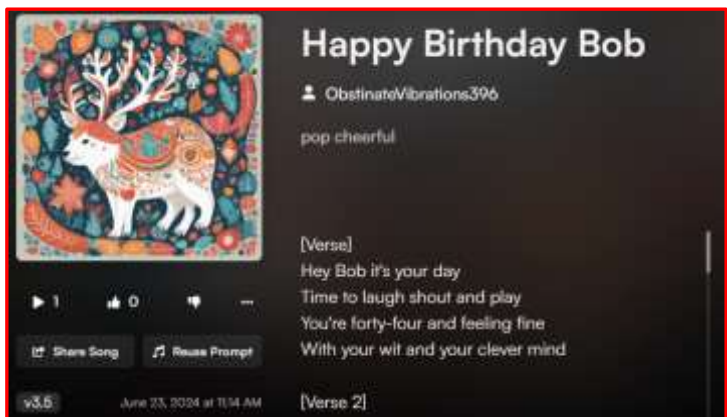
[Verse 2]



When the **MP4 Video** plays,
it displays the lyrics
as each line is sung,
the "Lyrics Enlarge"

You can use:
Media Player
in Windows





Here is the Song with "Suno AI" Generated Lyrics

Hey Bob it's your day
Time to laugh shout and play
You're forty-four and feeling fine
With your wit and your clever mind

[Verse 2]

Computers light up your eyes
Carrots make your heart rise
We're here to celebrate you
For all the awesome things you do

[Chorus]

Happy Birthday to you Bob
You're the cleverest of the lot
With screens and code and carrot snacks
We toast to you now sit back

[Verse]

Let's have fun and just unwind
Leave all worries far behind
Life's a joy when you're around
In your brilliance we have found

[Bridge]

Clap your hands and stomp your feet
Bob's got rhythm oh what a treat
Smile wide let's hear your cheer
Bob's birthday is the best all year etc.



HappyBirthdayBobA.MP3

Now, Let's try a
Custom Song...

* We will use
Chat GPT, to
create our
Lyrics



☒ Custom

Lyrics ?

Enter your own lyrics or
describe a song and click
Generate Lyrics...

0/3000

☐ Instrumental

Create 🎵



Create a Happy Birthday Song for Bugs Bunny. His 44 years old. His is clever and witty. He often says What's up Doc? He loves computers and Carrots. **Make it a happy and joyful song.**



Happy Birthday, Bugs Bunny!

(Verse 1)

What's up, Doc? It's your special day,
The cleverest rabbit in every way.
Forty-four years, still going strong,
With computers and carrots, you belong!

(Chorus)

Happy Birthday, Bugs Bunny,
You're so witty and so funny!
With a carrot in your hand,
And computers, oh so grand etc. etc.



Now

"Custom Lyrics"
created by
Chat GPT

are

"Copied & Pasted
into: **Suno**

☒ Custom

Lyrics ?

| Happy Birthday, Bugs Bunny!

(Verse 1)

What's up, Doc? It's your special day,
The cleverest rabbit in every way.
Forty-four years, still going strong,
With computers and carrots, you belong!

(Chorus)

Happy Birthday, Bugs Bunny,
You're so witty and so funny!

Generate Lyrics

1057/3000

☐ Instrumental ?

Style of Music ?

Custom Sono Song



We select our
Style of Music
by using words

We can also use the
Suggested Words

We create a
Song Title...

Then Click
Create >>

Style of Music ?

Folk music with guitars and a quiet drum,
ambient in a country setting

electro

electronic

techno

trance

house

edm

70/120

Title ?

Bunny Birthday Song

Create 🎵



All Done!

We Generated
2 Custom Songs!



Bunny Birthday Song v3.5

Folk music with guitars and a quiet drum, ambient in a country setting



Bunny Birthday Song v3.5

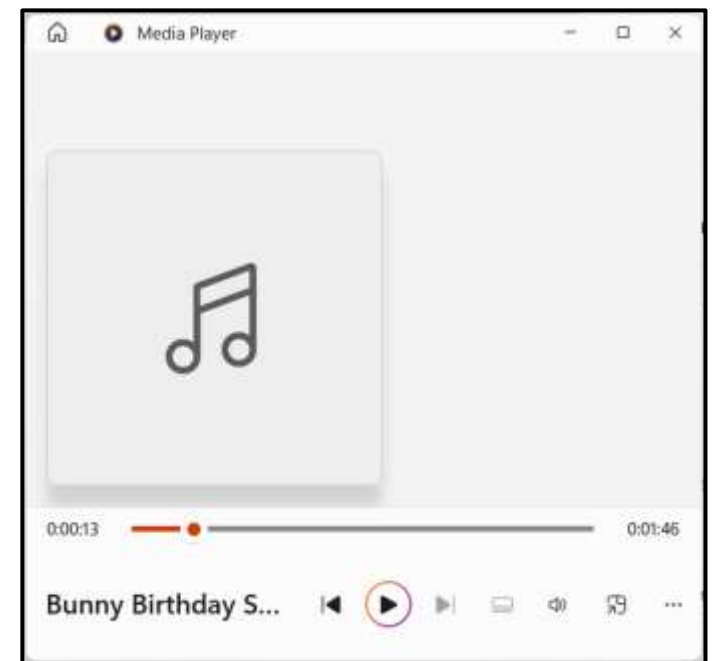
Folk music with guitars and a quiet drum, ambient in a country setting



 Bunny Birthday SongB.mp4	2024-06-23 1:18 PM	MP4 File	3,469 KB
 Bunny Birthday SongA.mp4	2024-06-23 1:17 PM	MP4 File	3,445 KB
 Bunny Birthday SongA.mp3	2024-06-23 1:13 PM	MP3 File	2,797 KB
 Bunny Birthday SongB.mp3	2024-06-23 1:15 PM	MP3 File	2,749 KB



Bunny Birthday Song.mp3



Bunny Birthday Song

(Verse 1)

What's up, Doc? It's your special day,
The cleverest rabbit in every way.
Forty-four years, still going strong,
With computers and carrots, you belong!

(Chorus)

Happy Birthday, Bugs Bunny,
You're so witty and so funny!
With a carrot in your hand,
And computers, oh so grand!

(Verse 2)

You've outsmarted everyone, it's true,
With your tricks and your clever cues.
From the screen to the digital age,
You're a timeless star on every stage!

(Chorus)

Happy Birthday, Bugs Bunny,
You're so witty and so funny!
With a carrot in your hand...



Bunny Birthday Song

Folk music with guitars and a ...

(Verse 1)

What's up, Doc? It's your special day,
The cleverest rabbit in every way.

Forty-four years, still going strong,
With computers and carrots, you belong!

(Chorus)



Bunny Birthday SongA.mp3

As you can see, when you try it, you'll experience the Joy and Fulfillment of creating your own songs!



No Musical
Knowledge
Required

Everyone
can do
this!



You can create **Suno Songs** for



BIRTHDAYS



You can create **Suno Songs** for

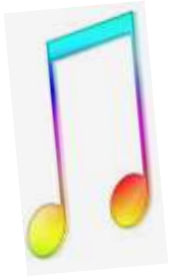
Live Podcast



Podcast Introductions



You can create Songs for



Wedding Anniversaries



Melodies... tend to be more memorable



Health & Safety at Work



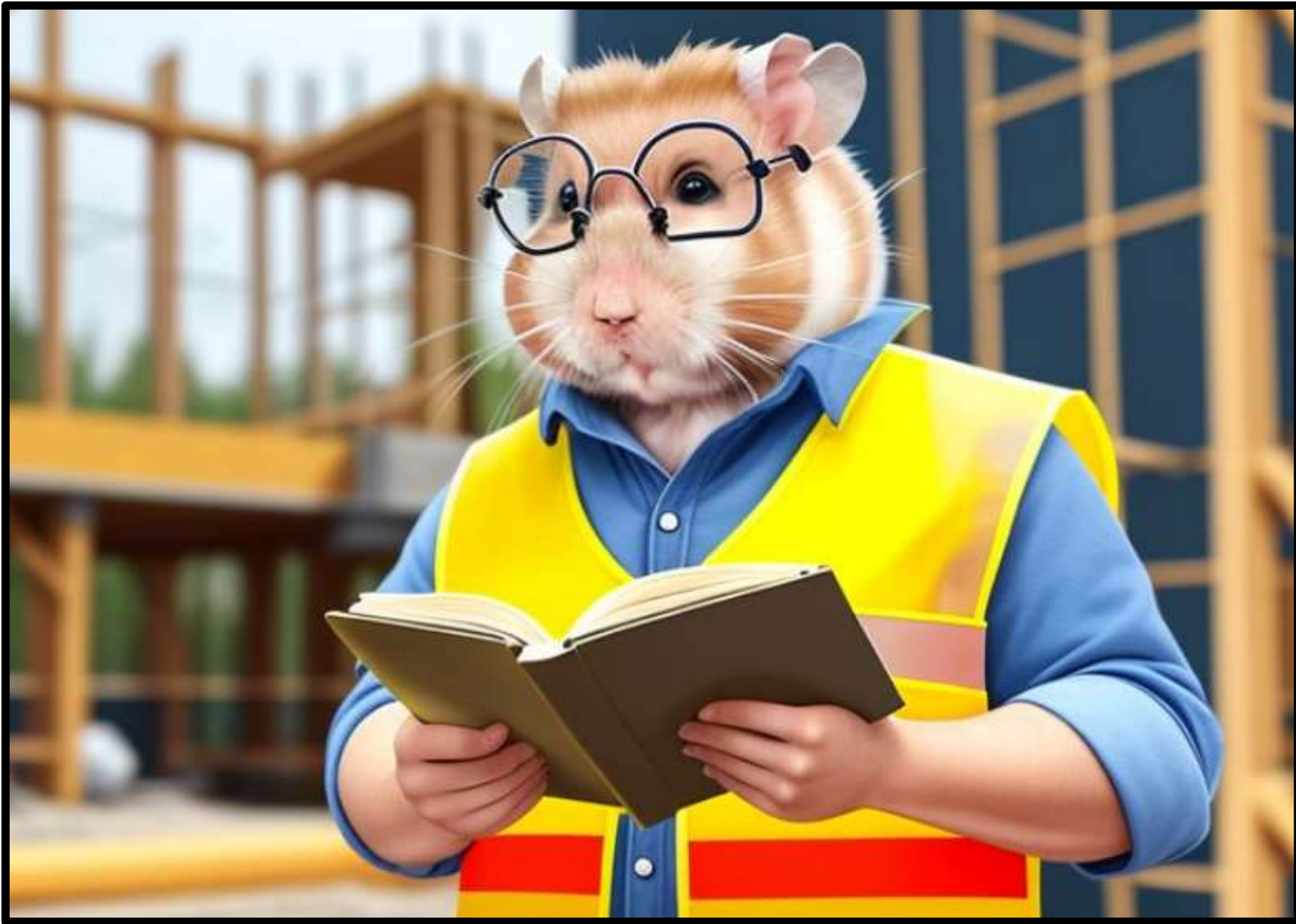
Create a “Catchy Jingle” for



Professional Marketing



Create Engaging Songs for



Employee Training Programs



Celebrate Achievements...



Special School Graduations



Your **Suno Free Account**
or **Basic Plan** includes

50 Credits that Renew Daily
(up to 10 songs per day)



Non-commercial Use

Use your songs for personal non-commercial purposes such as sharing on social media or with friends



Share

Now...
You can tell someone...

I made a Song for You!



Thank you



OPCUG



*Users helping users
for over 40 years*



Loonie Links

Mark Bennett's Camera Crisis

I like cameras.



Mark Bennett's Camera Crisis

@MarkBennettCameraCrisis · 68.8K subscribers · 372 videos

In real life I am a comedian. But I like cameras so much that I wanted a channel to talk abo... >

[youtube.com/user/markbennettcomic](https://www.youtube.com/user/markbennettcomic)

Subscribe

<https://www.youtube.com/@MarkBennettCameraCrisis>

Tom Trottier

The New GOLD Standard



10:02

The Best Travel Tripod On The Planet - the Falcam F38 TreeRoot

20K views • 10 days ago

\$199 GIMBAL



10:50

This Gimbal Can't Be This Cheap And This Good - Zhiyun Cinepeer...

16K views • 12 days ago

NEW KID

BEST EVER



14:49

Is the Sigma 16mm No Longer The King Of Sony APS-C Video (With th...

18K views • 2 weeks ago

\$159 \$349



13:05

Hollyland Lark M2 - Tiny And Excellent

48K views • 4 weeks ago

SONY MUST LOWER PRICES



9:43

BRAND NEW Sigma 24-70 DG DN II ART

23K views • 1 month ago

RAZOR SHARP



9:57

This Lens Can't Be This Cheap And This Good

42K views • 1 month ago



WHICH CAMERA? 20:32

What Camera And Lens YouTubers Use in 2024

43K views • 2 months ago

DJI RS4 DJI RS3 MINI



12:38

DJI RS4 vs DJI RS3 Mini - Which Gimbal To Buy

24K views • 2 months ago

I'M DONE.



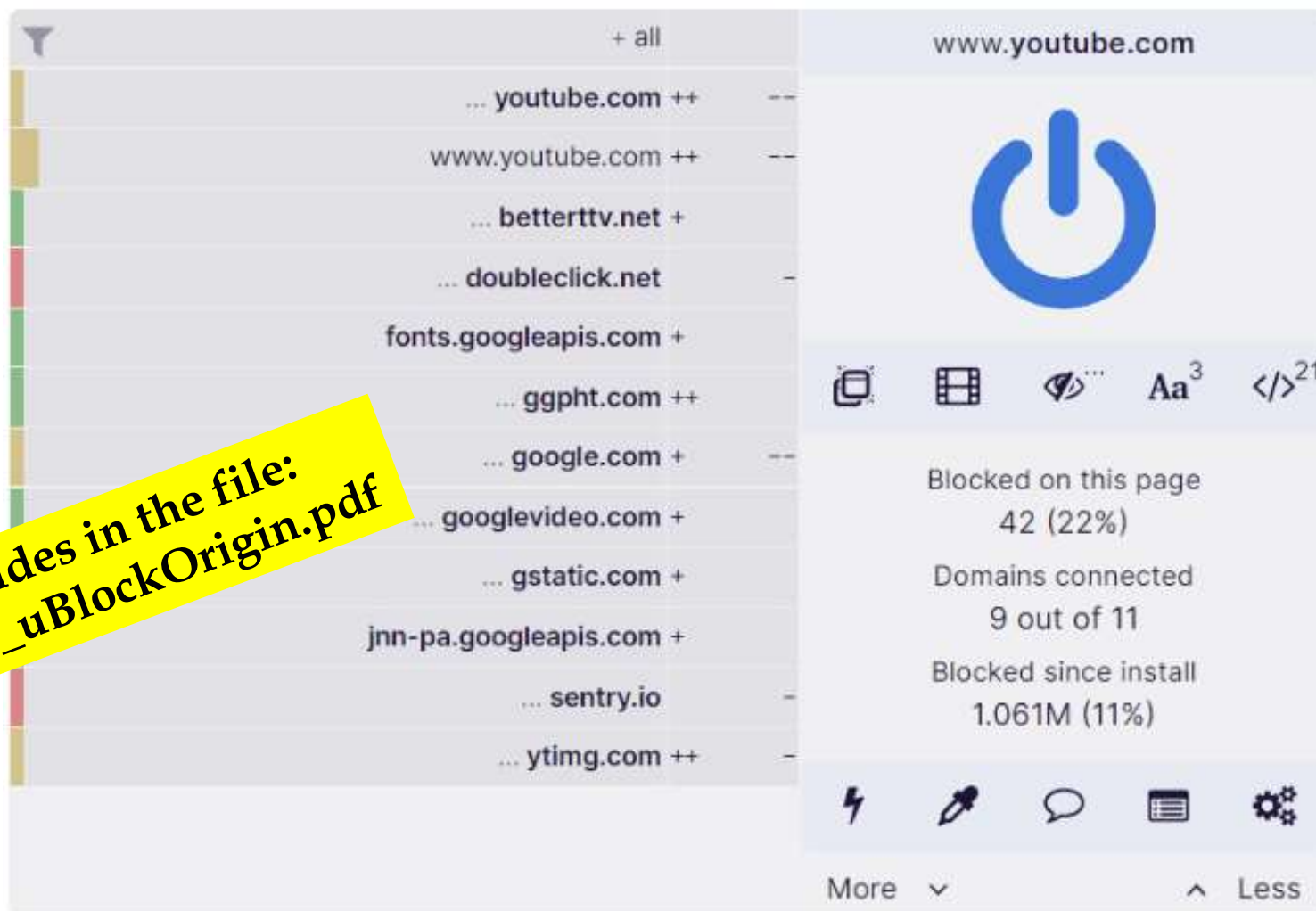
10:35

5 Reasons The Zhiyun Molus X60 Is A Show Stopper

15K views • 2 months ago

Share

μBlock Origin Deep Dive

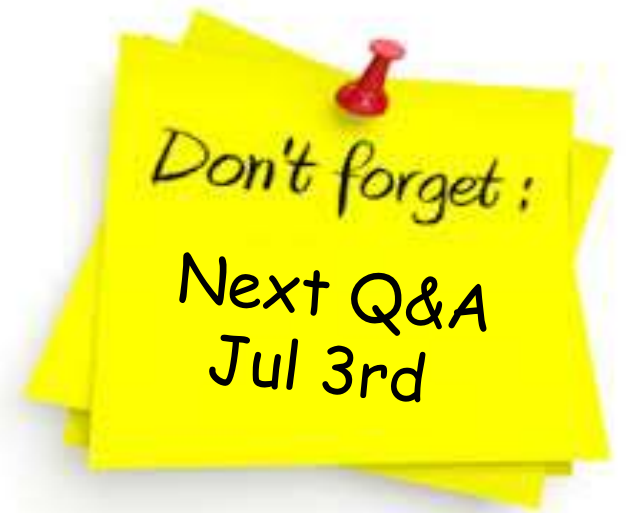


<https://ublockorigin.com>

Tom Trottier



**Any other:
Questions
Comments
Shares?**



**Send your questions,
answers, and topics
you wish to share to:**

SuggestionBox@opcug.ca